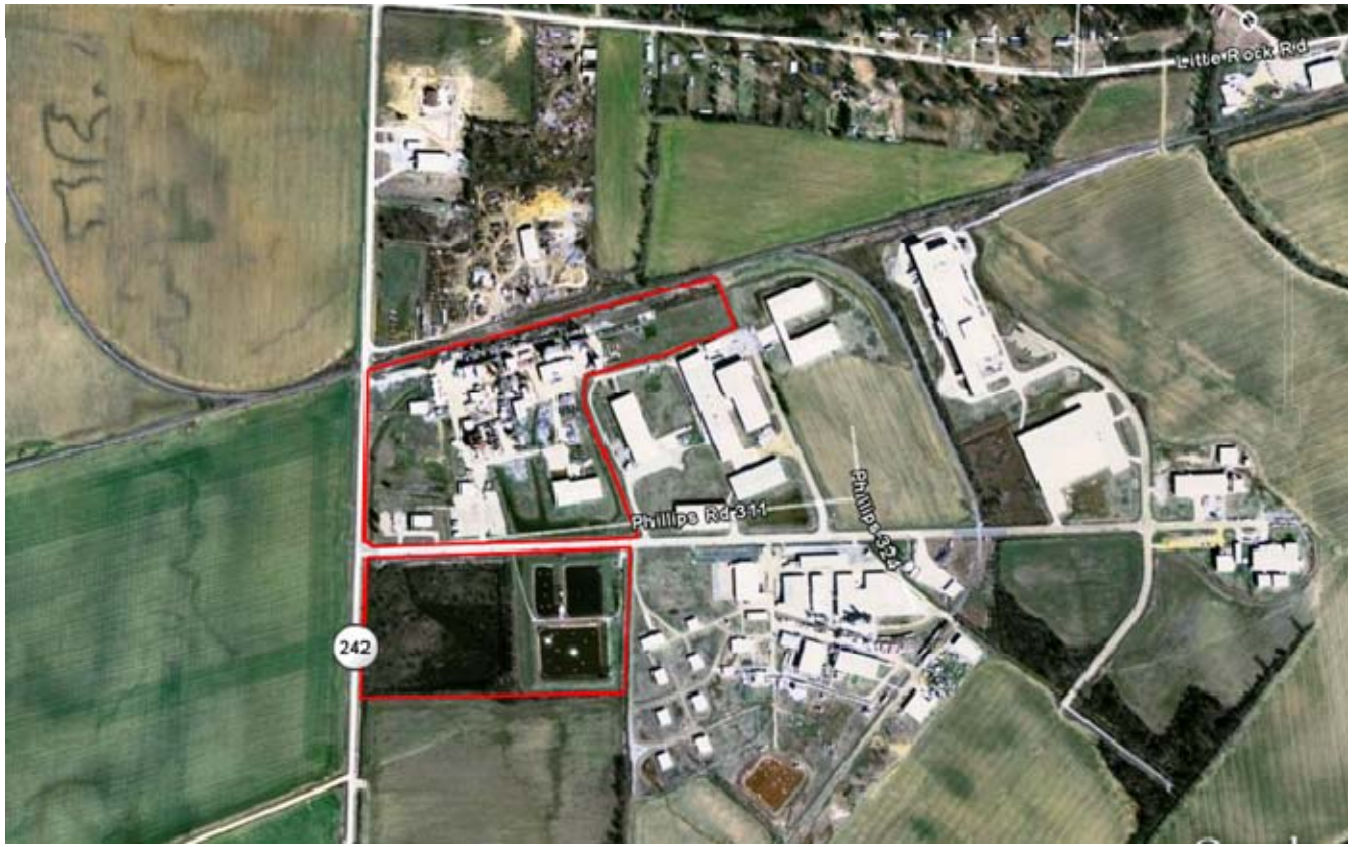
Site History

- Site is located in Phillips County, Arkansas, south of West Helena
- 48 acres along State Highway 242, 1 mile southwest of the intersection of U.S. Highway 49 and Highway 242



9542417

Site History

- Facility initially operated by Helena Chemical in 1970.
- Operated by Ansul under the name of Eagle River Chemical. During this time period, dinoseb was produced on the site.
- From 1971 to 2002, facility manufactured or processed a variety of agricultural and organic chemicals under various owners and operators.
- Last owner of record was Cedar Chemical Corporation.
- On March 8, 2002, Cedar Chemical Corporation filed for bankruptcy
- Arkansas Department of Environmental Quality (ADEQ) assumed control of the facility on October 12, 2002, and currently acts as the caretaker of the facility

Site History

- On March 22, 2007 ADEQ entered into a Consent Administrative Order (CAO) with Ansul Incorporated (formally known as Wormald US, Inc.), Helena Chemical Company and Exxon Mobil Chemical (a division of Exxon Mobil Corporation).
- Respondents developed a Feasibility Study Report (FS) proposing remedies for areas of concern AOCs. The FS was used to support the development of a Remedial Action Decision Document (RADD)
- RADD was finalized and signed on June 3, 2010.
- Presently, Quapaw LLC leases the Facility.
- A licensed wastewater operator is employed to direct storm water from the Facility into the wastewater treatment system and before it is discharged to the Mississippi River.

Site Description

Operational History

- Constructed and Commenced Operations ~1970
- Manufactured Insecticides, Herbicides, Polymers, Organic Intermediates, and other Chemicals.
- Ceased Operations ~2002
- ADEQ assumed control of the Site ~2002

AECOM

FIGURE 2-2
FACILITY LAYOUT MAP

FORMER CEDAR CHEMICAL FACILITY
HELENA - WEST HELENA, ARKANSAS

JUNE 2009 104336

L:\work\104336\CADD\104336_019 Facility Layout Map.dwg, 6/25/2009 10:21:33 AM, mandy.splawn

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LEGEND:

- MW-10 ● MONITORING WELL LOCATION
- TSB-1 ▲ TYCO 2009 SOIL BORING LOCATION
- STORMWATER DITCHES
- PROPERTY BOUNDARY
- ESTIMATED AREA FOR SOIL REMEDIAL MEASURES (11,306 SQUARE FEET)

NOTES:

1. AREA FOR SOIL REMEDIAL MEASURES WAS ESTIMATED BASED ON SOIL SAMPLES COLLECTED DURING THE 2009 WORMALD SITE INVESTIGATION (AECOM, 2009) AND THE 1996 FACILITY INVESTIGATION (ENSAFE, INC., 1996). SOIL SAMPLE RESULTS WERE USED TO APPROXIMATE THE AREA WHERE DINOSEB CONCENTRATIONS EXCEED SITE-SPECIFIC REMEDIAL GOAL OPTIONS (RGOs).
2. THE HIGH RESOLUTION COLOR IMAGERY WAS OBTAINED FROM TERRASERVER-USA USING GLOBAL MAPPER SOFTWARE.

0 60 120 240

SCALE IN FEET

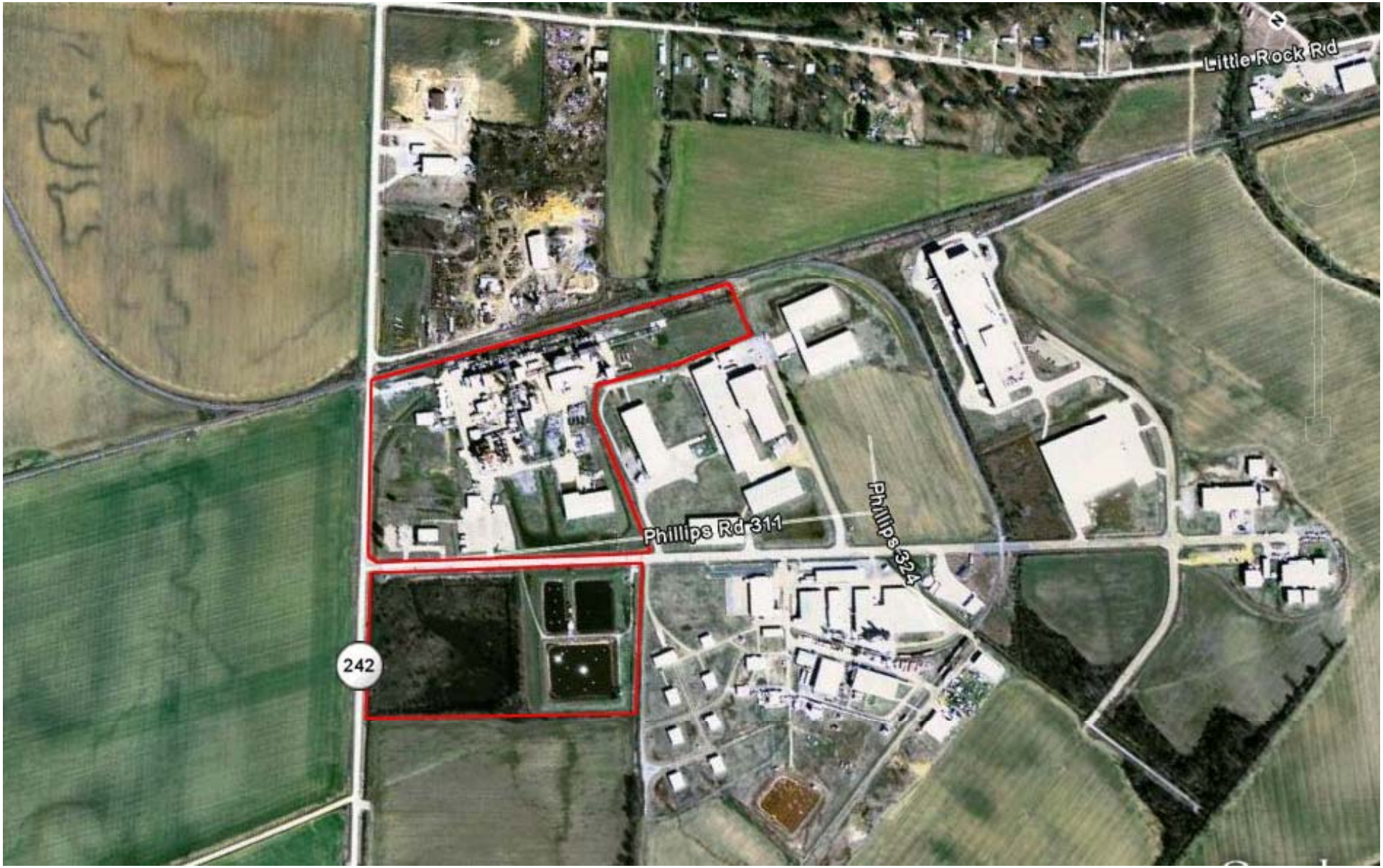
AECOM

FIGURE 4-1
ESTIMATED AREA FOR SOIL REMEDIAL MEASURES AT SITE 3

FORMER CEDAR CHEMICAL FACILITY
HELENA - WEST HELENA, ARKANSAS

JUNE 2009 104336

L:\work\104336\CADD\104336_018 Estimated Area for Soil Remedial Measures-Site 3.dwg, 6/25/2009 10:15:39 AM, mandy.splawn


Little Rock Rd
Phillips Rd 311
Phillips 324
242

Site Investigation Summary

- Hazardous substances detected in soils at concentrations greater than risk-based screening criteria include Arsenic, Cadmium, Mercury, Aldrin, Dieldrin, Dinoseb, Heptachlor, Methoxychlor, Toxaphene, 3,4-Dichloroaniline, Propanil, Chloroform, 1,2-Dichloroethane, Methylene Chloride, and Pentachlorophenol.
- In summary, site investigations have concluded significant volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, and metals.
- The levels detected are at concentrations that could continue to contribute to groundwater contamination and at levels which could pose an unacceptable risk to human health and/or the environment under various exposure scenarios.